

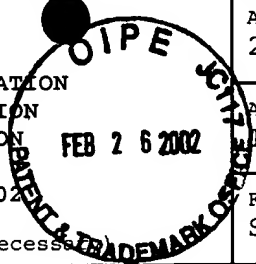
Paper #8

PTO-1449 REPRODUCED

SUPPLEMENTAL INFORMATION  
DISCLOSURE CITATION  
IN AN APPLICATION

February 19, 2002

(Use several sheets if necessary)



ATTORNEY DOCKET NO.  
2831.2003-000

APPLICATION NO.  
09/960,244

APPLICANT  
Tony W. Ho, et al.

FILING DATE  
September 21, 2001

GROUP  
1633

TECH CENTER 1600/2900

MAR 06 2002

RECEIVED

U.S. PATENT DOCUMENTS

EXAM- INER INI- TIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE
VA	AK	5,716,616	02/10/98	Prockop, et al.	424	93.7	1

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO
VA	AN	WO 99/43286	02-SEP-99	PCT	11	11	
VA	AO	WO 00/24261	04-MAY-00	PCT	11	11	
VA	AP	WO 01/34167 A1	17-MAY-01	PCT	11	11	
VA	AQ	WO 01/59072 A1	16-AUG-01	PCT	11	11	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	AR	
	AS	
	AT	

EXAMINER

V. H. Brown

DATE CONSIDERED

7-16-2003

PTO-1449 REPRODUCED		<b>SECOND SUPPLEMENTAL INFORMATION DISCLOSURE CITATION IN AN APPLICATION</b>  <b>May 9, 2002</b> (Use several sheets if necessary)		ATTORNEY DOCKET NO. 2831.2003-000		APPLICATION NO. 09/960,244	
				APPLICANT Tony W. Ho, et al.			
				FILING DATE September 21, 2001		GROUP 1633	
<b>U.S. PATENT DOCUMENTS</b>							
EXAM- INER INI- TIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE	
VA	AA2	4,608,199	08/26/86	Caplan, et al.	530	414	<div style="border: 1px solid black; padding: 5px; display: inline-block;">           RECEIVED            MAY 23 2002            TECH CENTER 1600/2900         </div>
↑	AB2	4,609,551	09/02/86	Caplan, et al.	424	95	
	AC2	4,620,327	11/04/86	Caplan, et al.	632	10	
	AD2	5,226,914	07/13/93	Caplan, et al.	632		
	AE2	5,643,736	07/01/97	Bruder, et al.	435	4.21	
	AF2	5,733,542	03/31/98	Haynesworth, et al.	424	93.7	
	AG2	5,837,539	11/17/98	Caplan, et al.	435	332	
	AH2	5,855,619	01/05/99	Caplan, et al.	623	11	
	AI2	6,010,696	01/04/00	Caplan, et al.	424	93.7	
	AJ2	6,087,113	07/11/00	Caplan, et al.	435	7.1	
VA	AK2	6,174,333B1	01/16/01	Kadiyala, et al.	623	11.11	
<b>FOREIGN PATENT DOCUMENTS</b>							
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO	
VA	AL2	WO 01/11011A2	15-FEB-01	PCT			
VA	AM2	WO 02/34889	02 MAY 02	PCT			
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>							
VA	AZ3	Ashhurst, D.E., et al., "The collagens and glycosaminoglycans of the extracellular matrices secreted by bone marrow stromal cells cultured in vivo in diffusion chambers," <i>J. Orthop Res</i> 8(5):741-749 (1990).					
↑	AR4	Ashton, B.A., et al., "Formation of Bone and Cartilage by Marrow Stromal Cells in Diffusion Chambers in Vivo," <i>Clinical Orthopaedics and Related Research</i> , 151:294-307 (1990).					
	AS4	Ashton, B.A., et al., "Distribution of Fibroblastic Colony-Forming Cells in Rabbit Bone Marrow and Assay of their Osteogenic Potential by an in vivo Diffusion Chamber Method," <i>Calcif Tissue Int.</i> 36:83-86 (1984).					
	AT4	Bab, I., et al., "Assessment of an in vivo Diffusion Chamber Method as a Quantitative Assay for Osteogenesis," <i>Calcif Tissue Int</i> 36:77-82 (1984).					
VA	AU4	Bab, I., et al., "Osteogenesis in in vivo diffusion chamber cultures of human marrow cells," <i>Bone and Mineral</i> , 4:373-386 (1988).					
EXAMINER				DATE CONSIDERED			
V. Afrouman				7-16-2003			

10/28/01 #3

PTO-1449 REPRODUCED

ATTORNEY DOCKET NO.  
2831.2003-000APPLICATION NO.  
09/960,244SECOND SUPPLEMENTAL  
INFORMATION DISCLOSURE CITATION  
IN AN APPLICATION

May 9, 2002

MAY 21 2002

(Use several sheets if necessary)

APPLICANT  
Tony W. Ho, et al.FILING DATE  
September 21, 2001GROUP  
1633

RECEIVED

MAY 23 2002

## U.S. PATENT DOCUMENTS

TECH CENTER 1600/2000

EXAM- INER INI- TIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE

## FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

VA	AV4	Bab, I., et al., "Ultrastructure of Bone and Cartilage Formed in vivo in Diffusion Chambers," <i>Clinical Orthopaedics and Related Research</i> , Section III:243-254 (1984)
h	AW4	Benayahu, D., et al., "Bone Marrow-Derived Stromal Cell Line Expressing Osteoblastic Phenotype in Vitro and Osteogenic Capacity In Vivo," <i>Journal of Cellular Physiology</i> 140:1-7 (1989).
	AX4	Budenz, R.W. et al., "Osteogenesis and Leukopoieses within Diffusion-Chamber Implants of Isolated Bone Marrow Subpopulations," <i>The American journal of Anatomy</i> 159:455-474 (1980).
	AY4	Diduch, D.R., et al, "Two cell lines from bone marrow that differ in terms of collagen synthesis, osteogenic characteristics, and matrix mineralization," <i>Journal of Bone &amp; Joint Surgery</i> 75:92-105 (1993).
	AZ4	Friedenstein, A.J., et al., "Bone marrow osteogenic stem cells: in vitro cultivation and transplantation in diffusion chambers," <i>Cell Tissue Kinet.</i> 20:263-272 (1987).
	AR5	Gundle, R., et al., "Human Bone Tissue Formation in Diffusion Chamber Culture in vivo by Bone-Derived Cells and Marrow Stromal Fibroblastic Cells," <i>Bone</i> 16(6):597-601 (1995).
	AS5	Haynesworth, S.E., et al., "Cell Surface Antigens on Human Marrow-Derived Mesenchymal Cells are Detected by Monoclonal Antibodies," <i>Bone</i> 13:69-80 (1992).
	AT5	Haynesworth, S.E., et al., "Characterization of Cells with Osteogenic Potential from Human Marrow," <i>Bone</i> 13:81-88 (1992).
VA	AU5	Kataoka, H., et al., "Transplant of bone marrow and muscle-derived connective tissue cultures in diffusion chambers for bioassay of bone morphogenetic protein," <i>Clinical Orthopaedics and Related Research</i> 286:262-70 (1993).

EXAMINER

V. Affen

DATE CONSIDERED

7-16-2003

Paper #9

Sheet 3 of 3

PTO-1449 REPRODUCED

ATTORNEY DOCKET NO.  
2831.2003-000

APPLICATION NO.  
09/960,244

SECOND SUPPLEMENTAL  
INFORMATION DISCLOSURE CITATION  
IN AN APPLICATION

APPLICANT  
Tony W. Ho, et al.

FILING DATE  
September 21, 2001

GROUP  
163

May 9, 2002

(Use several sheets if necessary)

U.S. PATENT DOCUMENTS

EXAM- INER INI- TIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE
			2			

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO
		2			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

VA	AV5	Krebsbach, P.H., et al., "Bone Formation in vivo: Comparison of Osteogenesis by Transplanted Mouse and Human Marrow Stromal Fibroblasts," <i>Transplantation</i> 63(8):1059-1069 (1997).
↑	AW5	Lennon, D.P., et al., "Cultivation of Rat Marrow-Derived Mesenchymal Stem Cells in Reduced Oxygen Tension: Effects on In Vitro and In Vivo Osteochondrogenesis," <i>Journal of Cellular Physiology</i> 187:345-355 (2001).
	AX5	Mardon, H.J., et al., "Development of osteogenic tissue in diffusion chambers from early precursor cells in bone marrow of adult rats," <i>Cell Tissue Research</i> , 250:157-165 (1987).
	AY5	Quinones, R.R., "Hematopoietic Engraftment and Graft Failure After Bone Marrow Transplantation," <i>The American Journal of Pediatric Hematology/Oncology</i> 15(1):3-17 (1993).
	AZ5	Thomson, B.M., et al., "Preliminary characterization of porcine bone marrow stromal cells: skeletogenic potential, colony-forming activity, and response to dexamethasone, transforming growth factor beta, and basic fibroblast growth factor," <i>J. Bone Min Res</i> 8(10): 1173-1183 (1993).
VA	AR6	Asselineau, D. et al., "Antibodies Specific for Papillary Fibroblasts as Markers for Skin Quality," Published Patent Application No: 2001/0036642A1, Published 11/01/01, Filed 11/29/00.

EXAMINER

V. H. Brown

DATE CONSIDERED

7-16-2003

PTO-1449 REPRODUCED  <b>INFORMATION DISCLOSURE CITATION IN AN APPLICATION</b>  November 1, 2002 (Use several sheets if necessary)		ATTORNEY DOCKET NO. 2831.2003-000  APPLICATION NO. 09/960,244  APPLICANT Tony W. Ho, et al.  <table style="width:100%;"> <tr> <td style="width:50%;">FILING DATE September 21, 2001</td> <td style="width:25%;">CONFIRMATION NO. 4326</td> <td style="width:25%;">GROUP 1633</td> </tr> </table>		FILING DATE September 21, 2001	CONFIRMATION NO. 4326	GROUP 1633		
FILING DATE September 21, 2001	CONFIRMATION NO. 4326	GROUP 1633						
<b>U.S. PATENT DOCUMENTS</b>								
EXAM- INER INI- TIAL		DOCUMENT NUMBER	ISSUE DATE / PUBLICATION DATE	NAME				
<div style="border: 2px solid black; border-radius: 50%; padding: 10px; display: inline-block;">                         OPE NOV 06 2002 PATENT &amp; TRADEMARK OFFICE                     </div>	LA	AA3 US 2002/0146821 A1	October 10, 2002	Sanchez-Ramos et al.				
	AB							
	AC							
	AD							
	AE							
	AF							
	AG							
	AH							
	AI							
	AJ							
	AK							
<b>FOREIGN PATENT DOCUMENTS</b>								
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO	
	AL							
	AM							
	AN							
	AO							
	AP							
	AQ							
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>								
	AR							
	AS							
	AT							
EXAMINER				DATE CONSIDERED				
V. Afrumora				7-16-2003				

**RECEIVED**

NOV 08 2002

TECH CENTER 1600/2900

Paper # 15

PTO-1449 REPRODUCED

ATTORNEY DOCKET NO.  
2831.2003-000

APPLICATION NO.  
09/960,244

**FIFTH SUPPLEMENTAL INFORMATION DISCLOSURE  
CITATION IN AN APPLICATION**

APPLICANT  
Tony W. Ho, et al.

FILING DATE  
September 21, 2001

CONFIRMATION NO.  
4326

GROUP  
1651

February 3, 2003  
(Use several sheets if necessary)

**U.S. PATENT DOCUMENTS**

EXAM- INER INI- TIAL		DOCUMENT NUMBER	ISSUE DATE / PUBLICATION DATE	NAME
VA	AC3	US 2003/0003574 A1	01/02/03	Toma, et al.
VA	AD3	US 2003/0003572 A1	01/02/03	Anderson, et al.
VA	AE3	US 2003/0017587 A1	01/23/03	Rader, et al.

RECEIVED  
FEB 14 2003  
TECH CENTER 1600/2900

**FOREIGN PATENT DOCUMENTS**

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO
	AL						
	AM						
	AN						
	AO						
	AP						
	AQ						

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

	AR	
	AS	
	AT	

EXAMINER

V. Afremova

DATE CONSIDERED

7-16-2003

Page # 12

PTO-1449 REPRODUCED

ATTORNEY DOCKET NO.  
2831.2003-000

APPLICATION NO.  
09/960,244

INFORMATION DISCLOSURE CITATION  
IN AN APPLICATION

APPLICANT  
Tony W. Ho, et al.

FILING DATE  
September 21, 2001

CONFIRMATION NO.  
4326

January 9, 2003

(Use several sheets if necessary)

U.S. PATENT DOCUMENTS

EXAM- INER INI- TIAL		DOCUMENT NUMBER	ISSUE DATE / PUBLICATION DATE	NAME
LA	AB3	US 2002/0168765 A1	November 14, 2002	Prockop et al.
	AB			
	AC			
	AD			
	AE			
	AF			
	AG			
	AH			
	AI			
	AJ			
	AK			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO
	AL						
	AM						
	AN						
	AO						
	AP						
	AQ						

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

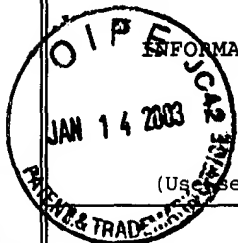
	AR	
	AS	
	AT	

EXAMINER

V. Afonso

DATE CONSIDERED

7 - 16 - 2003



RECEIVED  
JAN 15 2003  
TECH CENTER 160012900